DERWENT PUBLICATIONS LTD

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(b) they provide reserved

The porce have a double role, (a) they act as an anchor of water for delayed hydration of the anhydrous cement, for the hydrated cement crystals; COMS 19.10.73 L.2.D2. Concrete with very high compression strength - made using sand 19.10,73-FR-037326 (20,06.75) CO4b-15/08 consisting of perous reacted clay COMMISS ENERGIE ATOMIQUE MINIOLAY

coment and water, together with a porous ceramic sand such of 0.5-15 µ dia, which are larger than the size of the cement clays are pref, kaolinic or illitic clays, or maris. Artificial grains used, One prof. coment is CPA 400 HTS used with a Concrete with high compression strength is obtd, by mixing as roasted clay having a grain size of 0,1-3 mm, and pores fine gravel possessing a high compression strength, sand, sand having pores 0.5-2 µ dia, where 65% of the pores are sand 0.1-5 mm, size may be used with porphyritic gravel, 'Ciment Fondu' (RTM) may also be used with sand having 1-1.5 µ dia. Alternatively, cement CPA 400 is used with sand having pores 1-15 µ dia. where 60% are 5-10 µ dia.; pores of 1-15 µ dia, where 60% are 5-10 µ. The roasted 5-18 mm. in size.

particles) and 275 kg (5-10 mm. particles) were mixed with 440 kg. artificial sand (0.5 mm.), 400 kg. cement CPA 400 HTS (RTM) (2990 cm²/g.) and 220 litres water. After hard-

gravel: 510 kg (13-18 mm. particles) 495 kg (8-12 mm.

strength of 857.5 bars whereas a conventional type of con-

ening 90 days at 20°C. this concrete had a compression

crete only had a strength of 450 bars after 90 days. It is sand to the dia, of the grains of the cement used, (11 pp.), important to match the size of the pores in the artificial

cubic metre of concrete, three lots of porphyzitic

EXAMPLE For 1

ADVANTAGE

DETAILS

cess is easily carried out on a construction site. Due to the Very high compression strength can be obtd. and the prostrongth, the sixe of concrete structures can be reduced.

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